

Carbon Monoxide State Implementation Plan (SIP)

2004 Update to Maintenance Plan for Ten Areas

July 22, 2004



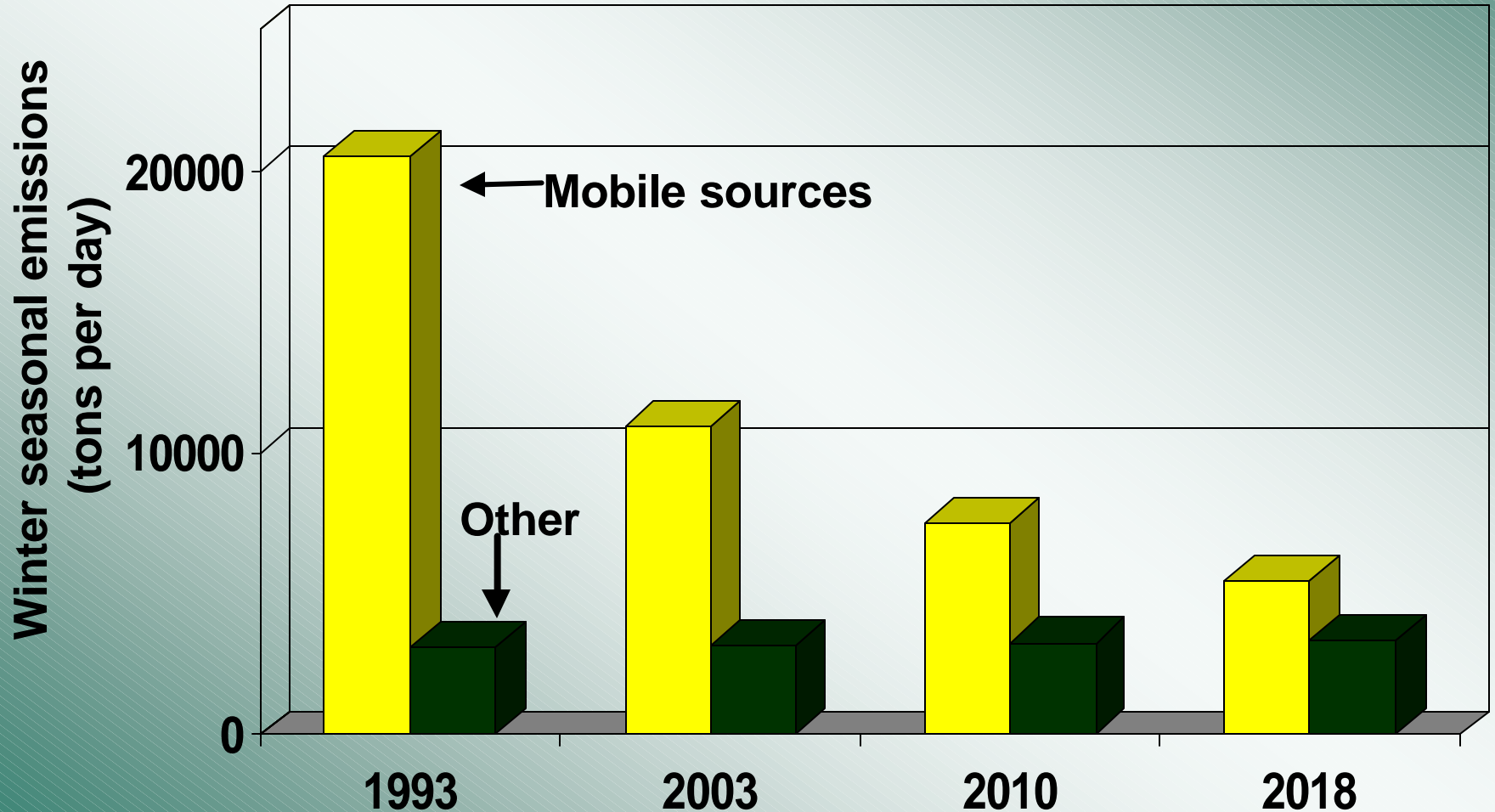
California Environmental Protection Agency

Air Resources Board

What is the federal standard for carbon monoxide (CO)?

- One hour standard: *35 parts per million (ppm)*
- Eight-hour standard: *9 ppm*
 - Achieved in virtually all areas of California
 - 10 areas since 1995
 - LA urbanized area since 2002
- Peaks during stagnant winter conditions
- Most prevalent in urban areas

CO Emissions Declining Statewide



What is the purpose of a maintenance plan?

- Plan shows how clean air will be maintained
 - Monitor air quality to assess compliance
 - Demonstrate that emissions will remain below attainment levels for up to 20 years
 - Include contingency measures to address potential future violations of standard

10 Areas in CO Plan



*ARB's statewide
motor vehicle
controls have
dramatically
improved the
CO landscape*

What CO areas are not addressed in the Plan?

- Los Angeles Urbanized Area
 - South Coast District developing maintenance plan and request for redesignation to attainment
- Calexico
 - Elevated CO from vehicles and burning near border
 - First clean winter in 2003/04

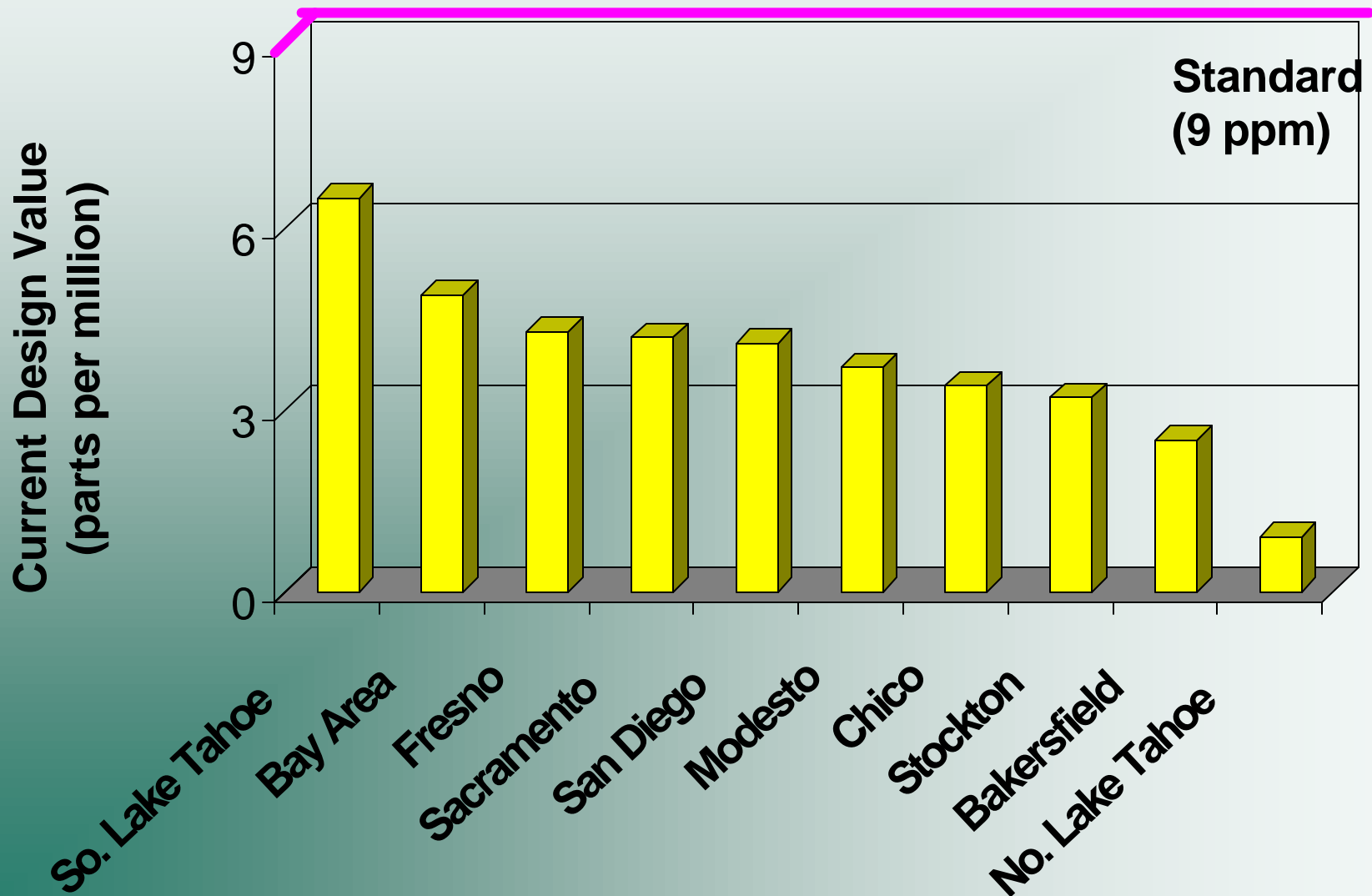
CO Plan Chronology

- 1992-1995 Air quality monitoring shows 10 areas now meet federal 8-hour CO standard
- 1996 ARB adopts and submits redesignation request/maintenance plan
- 1998 U.S. EPA redesignates areas to attainment and approves maintenance plan
- 1998 ARB rescinds requirement for wintertime oxygenates in gasoline in certain areas; demonstrates continued CO attainment in the 10 areas without oxygenates

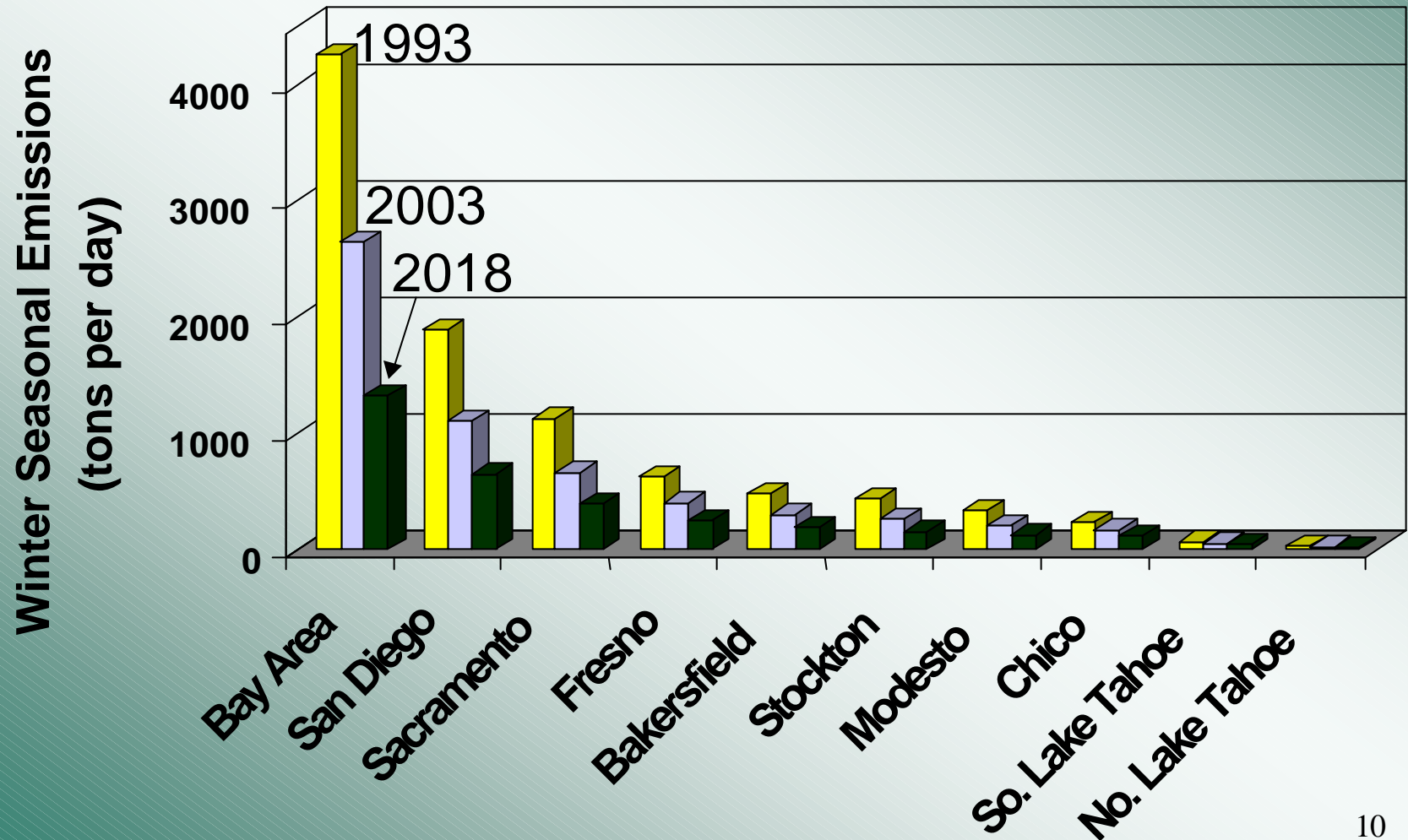
What will this update accomplish?

- Extend clean air demonstration to 2018 (20 years from attainment)
- Improve emission inventory
- Update motor vehicle emissions budgets for transportation conformity

Current CO Levels Are 30-60% Below Standard



2018 Emissions Will Be 30-70% Below 1993 Attainment Levels



Plan Meets Legal Requirements

- ✓ CO levels remain well below standard
- ✓ CO emissions decrease through 2018
- ✓ Contingency reductions ensure continued maintenance

Recommendation

- Adopt the proposed 2004 CO Maintenance Plan Update for submittal to U.S. EPA as a SIP revision